

## Criteria Symbolog

2/15/2006

Symbology	Level	Color	Weight	Style	Text
~GENERAL TEXT CB	Xsec General Text	0	0	0	0 .1 CB
~GENERAL TEXT LB	Xsec General Text	0	0	0	0 .1 LB
~GENERAL TEXT LC 90	Xsec General Text	0	0	0	0 .1 LC
~GENERAL TEXT RB	Xsec General Text	0	0	0	0 .1 RB
~POINT DESCRIPTION LABLES	Xsec Point Description Lables Text	0	0	0	0 .01 LT
~POINT NUMBER LABLES	Xsec Point Number Lables Text	0	0	0	0 .01 RB
~SLOPE TEXT CB%	Xsec General Text	0	0	0	0 .1 CB
~SLOPE TEXT CB:	Xsec General Text	0	0	0	0 .1 CB
Exst Grnd	Grnd Line Exst	6	2	2	
SYMOLOGY Aggr A Top	Aggr A Line	85	2	0	
SYMOLOGY Aggr B Bottom	Aggr B Line	53	2	0	
SYMOLOGY Aggr C Bottom	Aggr C Line	69	2	0	
SYMOLOGY Aggr D Bottom	Aggr D Line	101	2	0	
SYMOLOGY Aggr E Bottom	Aggr E Line	117	2	0	
SYMOLOGY Aggr Exst Bottom	Aggr Line Exst	102	1	Dash02	
SYMOLOGY Aggr F Bottom	Aggr F Line	133	2	0	
SYMOLOGY Asph A Top	Asph A Line	1	2	0	
SYMOLOGY Asph B Bottom	Asph B Line	17	2	0	
SYMOLOGY Asph C Bottom	Asph C Line	33	2	0	
SYMOLOGY Asph D Bottom	Asph D Line	49	2	0	
SYMOLOGY Asph E Bottom	Asph E Line	65	2	0	
SYMOLOGY Asph Exst Bottom	Asph Line Exst	6	1	Dash17	
SYMOLOGY Asph F Bottom	Asph F Line	81	2	0	
SYMOLOGY Barrier	Jersey Barrier (wt 2) Line	30	2	0	
SYMOLOGY Conc A Top	Conc A Line	162	2	0	
SYMOLOGY Conc B Bottom	Conc B Line	146	2	0	
SYMOLOGY Conc C Bottom	Conc C Line	130	2	0	
SYMOLOGY Conc D Bottom	Conc D Line	114	2	0	
SYMOLOGY Conc E Bottom	Conc E Line	98	2	0	
SYMOLOGY Conc Exst Bottom	Conc Line Exst	3	1	Dash01	
SYMOLOGY Conc F Bottom	Conc F Line	82	2	0	
SYMOLOGY Curb and Gutter Bottom	Curb and Gutter Bottom Line	146	1	0	
SYMOLOGY Curb and Gutter Top	Curb and Gutter Line	162	2	0	

<b>Symbology</b>	<b>Level</b>	<b>Color</b>	<b>Weight</b>	<b>Style Text</b>
SYMOLOGY Dim (wt 2)	dim (wt 2)	7	2	0
SYMOLOGY Drwy Bottom	Drwy Line	55	1	0
SYMOLOGY Drwy Top	Drwy Line	39	2	0
SYMOLOGY Earth Bottom	Grnd Line	17	1	0
SYMOLOGY Earth Top	Grnd Line	1	2	0
SYMOLOGY Excavation Limit 1	Limit Exc Line	23	2	0
SYMOLOGY Excavation Limit 2	Limit Exc Line	39	2	0
SYMOLOGY Excavation Limit 3	Limit Exc Line	55	2	0
SYMOLOGY Excavation Limit 4	Limit Exc Line	71	2	0
SYMOLOGY Gdrl Cable	Gdrl (Typicals-Xsec) Line	6	2	0
SYMOLOGY Retaining Wall	Wall Ret (Typicals- Xsec) Line	1	2	0
SYMOLOGY SW Bottom	Sw Bottom Line	146	2	0
SYMOLOGY SW Top	Sw Line	109	2	0
SYMOLOGY TS Bottom	Ts Bottom Line	130	2	0
SYMOLOGY TS Exst Bottom	Ts Line Exst	162	2	2
SYMOLOGY TS Top	Ts Line	162	2	0

## Criteria Symbology Index

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<b>~GENERAL TEXT LC 90</b>	median boundary sidewlk2	driveway
<b>~POINT DESCRIPTION LABL</b>	<b>SYMBOLIC Aggr C Bottom</b> base <b>SYMBOLIC Aggr D Bottom</b> base <b>SYMBOLIC Aggr E Bottom</b> base <b>SYMBOLIC Aggr Exst Botto</b> exst_material <b>SYMBOLIC Aggr F Bottom</b> base <b>SYMBOLIC Asph A Top</b> endpvmt widening <b>SYMBOLIC Asph B Bottom</b> endpvmt widening base <b>SYMBOLIC Asph Exst Botto</b> exst_material <b>SYMBOLIC Barrier</b> barrier <b>SYMBOLIC Conc A Top</b> base <b>SYMBOLIC Conc Exst Botto</b> exst_material <b>SYMBOLIC Curb and Gutter</b> driveway curb <b>SYMBOLIC Curb and Gutter</b> driveway curb <b>SYMBOLIC Dim (wt 2)</b> boundary <b>SYMBOLIC Drwy Bottom</b>	<b>SYMBOLIC Drwy Top</b> driveway <b>SYMBOLIC Earth Bottom</b> base <b>SYMBOLIC Earth Top</b> slope2 <b>SYMBOLIC Excavation Limit</b> excavation_limits <b>SYMBOLIC Retaining Wall</b> retwall <b>SYMBOLIC SW Bottom</b> sidewlk2 median sidewalk <b>SYMBOLIC SW Top</b> sidewalk median sidewlk2 <b>SYMBOLIC TS Bottom</b> slope4 sidewalk sidewlk2 base slope3 median slope1 <b>SYMBOLIC TS Exst Bottom</b> exst_material <b>SYMBOLIC TS Top</b> slope1 slope4 slope3 retwall safetyslope
<b>~POINT NUMBER TABLES</b>		
curb sidewlk2 boundary endpvmt base median sidewalk barrier driveway		
slope1 slope2		
<b>~SLOPE TEXT CB%</b>	driveway	
<b>~SLOPE TEXT CB:</b>	slope3	
<b>SYMBOLIC Aggr B Bottom</b>	widening base sidewalk	

median

sidewlk2

widening

sidewalk

base

**Criteria Variables****2/15/2006**

_d_3_1_depth	depth used to see if a 3:1 tie slope is acceptable
_d_4_1_depth	depth used to see if a 4:1 tie slope is acceptable
_d_back_slope	ditch back slope - run value
_d_base_extension	horizontal distance from edge of shape to edge of base
_d_base_slough_slope_0	slope of slough from top of pavement to base1
_d_base_slough_slope_1	slope of slough for base1
_d_base_slough_slope_2	slope of slough for base2
_d_base_slough_slope_3	slope of slough for base3
_d_base_slough_slope_4	slope of slough for base4
_d_base_slough_slope_5	slope of slough for base5
_d_base_thickness_1	thickness of base 1
_d_base_thickness_2	thickness of base 2
_d_base_thickness_3	thickness of base 3
_d_base_thickness_4	thickness of base 4
_d_base_thickness_5	thickness of base 5
_d_bench_depth	value used to test if a bench should be needed or if it should tie using the bench tie slope
_d_bench_slope	the run used to determine the slope of the bench
_d_bench.tie_depth	the rise value used to where a bench would begin
_d_bench.tie_slope	the run value used to determine the slope of the section up to the bench
_d_bench_width	the length of the bench
_d_clearzone	clearzone - distance measured from edge of driving lane
_d_curb_thickness	thickness of curb measured at pavement edge

_d_cut_distance	min distance for 2 part slope
_d_ditch_align	controls what part of the alignment is used (0-elevation only, 1-horizontal and vertical control)
_d_ditch_super	ditch super elevation - transverse slope in percent
_d_ditch_width	width of ditch in a cut section
_d_dl1	driveway length from back of curb and gutter to where the grade changes
_d_dl2	driveway length from where the grade changes to the end of driveway
_d_draw_exst_aggr	Set to 1 to draw exst aggr. Set to 0 for off.
_d_draw_exst_asph	Set to 1 to draw exst asph. Set to 0 for off.
_d_draw_exst_conc	Set to 1 to draw exst conc. Set to 0 for off.
_d_draw_exst_ts	Set to 1 to draw exst topsoil. Set to 0 for off.
_d_draw_ts_with_base	Set to 1 to draw topsoil that parallels bas slough slopes
_d_driveway_depth	driveway thickness
_d_driveway_text	Set to 1 if you want slopes dimensioned. Set to another value if you don't want slopes dimensioned.
_d_drivinglane	width of driving lane
_d_exc_lim_d1	excavation limit distance 1 from alignment centerline
_d_exst_aggr_depth1	depth of exst aggr at center of road
_d_exst_aggr_depth2	depth of exst aggr at out side edge of mine and bend - shoulder
_d_exst_aggr_width	width of exst aggr (mine and blend) from cenerline
_d_exst_asph_depth1	depth of exst asph at center of road
_d_exst_asph_depth2	depth of exst asph at out side edge of mine and bend - shoulder
_d_exst_asph_width	width of exst asph (mine and blend) from cenerline
_d_exst_conc_depth1	depth of exst conc at center of road
_d_exst_conc_depth2	depth of exst conc at out side edge of shoulder

_d_exst_conc_width	width of exst asph from cenerline
_d_exst_ts_depth	depth of exst topsoil
_d_exst_ts_start	distance from centerline to useable exst topsoil
_d_fill_distance	min distance for 2 part slope
_d_find_curb_tolerance	tolerence distance from edge of shape to face of curb in drawing
_d_force_shoulder_base_slope_correction	used on tapered pavement thicknesses, 1 = yes-on, 0 = no-off
_d_force_shoulder_base_slope_correction_on	difference between the top and bottom slopes of shoulder pavement
_d_initial_cut_slope	initial slope run value
_d_initial_fill_slope	initial slope run value
_d_initial_slope	the run value for the slope off of the shoulder
_d_initial_slope_width	how far the slope off of the shoulder should extend
_d_inslope	inslope between roadway and retaining wall
_d_jersey_wall_base	width of jersey wall base
_d_jersey_wall_height	the height of the back face of the wall
_d_mddepth	median ditch depth
_d_mdslope	median ditch inslope
_d_median_type	median type = 1 - Topsoil, 2 - concrete-sidewalk only, 3 - concrete-sidewalk with base
_d_pavement_thickness	thickness of pavement
_d_pavement_thickness_overlay	pavement overlay thickness
_d_raised_median_tolerance	tolerance used to determine when adjoining pavements merge
_d_retaining_wall_slope	run value for the slope of retaining wall
_d_retaining_wall_thickness	thickness of the retaining wall
_d_sec	type of base section = 1-slough, 2-butt, 4-median

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_d_secondary_cut_slope	the run value needed for the secondary slope in a ditch section
_d_secondary_cut_slope_width	width for the secondary slope
_d_secondary_fill_slope	run value used for the berm slope or second slope
_d_secondary_fill_slope_width	how far the secondary fill slope will extend
_d_shldr	shoulder width
_d_sidewalk_base_extension	horizontal distance from edge of sidewalk to edge of base
_d_sidewalk_base_slough_slope	run value of sidewalk base slough slope, set to 0 if verticle
_d_sidewalk_base_thickness	thickness of sidewalk base, set to 0 if not needed
_d_sidewalk_slope	slope of sidewalk in percent
_d_sidewalk_slough_slope	rise value of sidewalk slough slope
_d_sidewalk_thickness	thickness of the sidewalk
_d_sidewalk_width	width of the sidewalk
_d_slope1_text	Set to 1 if you want slopes dimensioned. Set to anyother value if you don't want slopes dimensioned.
_d_slope2_text	Set to 1 if you want slopes dimensioned. Set to anyother value if you don't want slopes dimensioned.
_d_slope3_text	Set to 1 if you want slopes dimensioned. Set to anyother value if you don't want slopes dimensioned.
_d_slough_slope	horizontal slope distance of pavement slough, if verticle use zero
_d_third_fill_slope	the run value used to determine the tie to existing ground
_d_topsoil_max_crown	maximum crown given as a decimal before crown is eliminated
_d_topsoil_thickness	thickness of topsoil
_s_ditch_chain	Name of ditch chain - alignment in GPK
_s_ditch_profile	Name of ditch profile in GPK
_s_sw_chain	Name of sidewalk chain - alignment in GPK
_s_sw_profile	Name of sidewalk profile in GPK

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<u><a href="#">_d_3_1_depth</a></u>	slope2	<u><a href="#">_d_bench_tie_slope</a></u>	slope2	excavation_limits
<u><a href="#">_d_4_1_depth</a></u>	slope2	<u><a href="#">_d_bench_width</a></u>	slope2	<u><a href="#">_d_exst_aggr_depth1</a></u> exst_material
<u><a href="#">_d_back_slope</a></u>	slope4	<u><a href="#">_d_clearzone</a></u>	safetyslope	<u><a href="#">_d_exst_aggr_depth2</a></u> exst_material
<u><a href="#">_d_base_extension</a></u>	base median	<u><a href="#">_d_curb_thickness</a></u>	curb driveway	<u><a href="#">_d_exst_aggr_width</a></u> exst_material
<u><a href="#">_d_base_slough_slope_0</a></u>	base widening	<u><a href="#">_d_cut_distance</a></u>	slope1	<u><a href="#">_d_exst_asph_depth1</a></u> exst_material
<u><a href="#">_d_base_slough_slope_1</a></u>	base widening	<u><a href="#">_d_ditch_align</a></u>	slope4	<u><a href="#">_d_exst_asph_depth2</a></u> exst_material
<u><a href="#">_d_base_slough_slope_2</a></u>	base	<u><a href="#">_d_ditch_super</a></u>	slope4	<u><a href="#">_d_exst_asph_width</a></u> exst_material
<u><a href="#">_d_base_slough_slope_3</a></u>	base	<u><a href="#">_d_ditch_width</a></u>	slope2	<u><a href="#">_d_exst_conc_depth1</a></u> exst_material
<u><a href="#">_d_base_slough_slope_4</a></u>	base	<u><a href="#">_d_dl1</a></u>	driveway	<u><a href="#">_d_exst_conc_depth2</a></u> exst_material
<u><a href="#">_d_base_slough_slope_5</a></u>	base widening	<u><a href="#">_d_dl2</a></u>	driveway	<u><a href="#">_d_exst_conc_width</a></u> exst_material
<u><a href="#">_d_base_thickness_1</a></u>	base widening	<u><a href="#">_d_draw_exst_aggr</a></u>	exst_material	<u><a href="#">_d_exst_ts_depth</a></u> exst_material
<u><a href="#">_d_base_thickness_2</a></u>	base	<u><a href="#">_d_draw_exst_asph</a></u>	exst_material	<u><a href="#">_d_exst_ts_start</a></u> exst_material
<u><a href="#">_d_base_thickness_3</a></u>	base	<u><a href="#">_d_draw_exst_conc</a></u>	exst_material	<u><a href="#">_d_fill_distance</a></u> slope1
<u><a href="#">_d_base_thickness_4</a></u>	base	<u><a href="#">_d_draw_exst_ts</a></u>	exst_material	<u><a href="#">_d_find_curb_tolerance</a></u> base
<u><a href="#">_d_base_thickness_5</a></u>	base	<u><a href="#">_d_draw_ts_with_base</a></u>	base	<u><a href="#">_d_force_shoulder_base_slope_correctio</a></u> base
<u><a href="#">_d_bench_depth</a></u>	slope2	<u><a href="#">_d_driveway_depth</a></u>	driveway	<u><a href="#">_d_force_shoulder_base_slope_correctio</a></u> base
<u><a href="#">_d_bench_slope</a></u>	slope2	<u><a href="#">_d_driveway_text</a></u>	driveway	<u><a href="#">_d_initial_cut_slope</a></u> endpvmt
<u><a href="#">_d_bench_tie_depth</a></u>	slope2	<u><a href="#">_d_drivinglane</a></u>	safetyslope	<u><a href="#">_d_initial_fill_slope</a></u> slope1
		<u><a href="#">_d_exc_lim_d1</a></u>		

<u><a href="#">_d_initial_slope</a></u>	slope2	sidewlk2
base	<u><a href="#">_d_shldr</a></u>	slope1
retwall	safetyslope	slope3
slope2	slope2	slope4
slope4	<u><a href="#">_d_sidewalk_base_extension</a></u>	widening
<u><a href="#">_d_initial_slope_width</a></u>	sidewalk	<u><a href="#">_s_ditch_chain</a></u>
slope2	sidewlk2	slope4
<u><a href="#">_d_jersey_wall_base</a></u>	<u><a href="#">_d_sidewalk_base_slough_slope</a></u>	<u><a href="#">_s_ditch_profile</a></u>
barrier	sidewalk	slope4
<u><a href="#">_d_jersey_wall_height</a></u>	sidewlk2	
barrier	<u><a href="#">_d_sidewalk_base_thickness</a></u>	
<u><a href="#">_d_mddepth</a></u>	sidewalk	
mditch1b	sidewlk2	
<u><a href="#">_d_mdslope</a></u>	<u><a href="#">_d_sidewalk_slope</a></u>	
mditch1b	sidewalk	
<u><a href="#">_d_median_type</a></u>	sidewlk2	
median	<u><a href="#">_d_sidewalk_slough_slope</a></u>	
<u><a href="#">_d_pavement_thickness</a></u>	sidewalk	
base	sidewlk2	
endpvmt	<u><a href="#">_d_sidewalk_thickness</a></u>	
widening	median	
<u><a href="#">_d_pavement_thickness_overlay</a></u>	sidewalk	
widening	sidewlk2	
<u><a href="#">_d_raised_median_tolerance</a></u>	<u><a href="#">_d_sidewalk_width</a></u>	
base	sidewalk	
endpvmt	sidewlk2	
median	<u><a href="#">_d_slope1_text</a></u>	
<u><a href="#">_d_retaining_wall_slope</a></u>	mditch1b	
retwall	slope1	
<u><a href="#">_d_retaining_wall_thickness</a></u>	slope4	
retwall	<u><a href="#">_d_slope2_text</a></u>	
<u><a href="#">_d_sec</a></u>	slope2	
base	<u><a href="#">_d_slope3_text</a></u>	
<u><a href="#">_d_secondary_cut_slope</a></u>	slope3	
slope1	<u><a href="#">_d_slough_slope</a></u>	
slope2	endpvmt	
<u><a href="#">_d_secondary_cut_slope_width</a></u>	<u><a href="#">_d_third_fill_slope</a></u>	
slope2	slope2	
<u><a href="#">_d_secondary_fill_slope</a></u>	<u><a href="#">_d_topsoil_thickness</a></u>	
slope1	base	
slope2	median	
<u><a href="#">_d_secondary_fill_slope_width</a></u>	sidewalk	

## Criteria Point Descriptions

2/15/2006

Point	Blue Top Phrase	Description
10	SH	
100	DT	test point for driveway, initial slope point
101	DRWYT	driveway top, secondary fill slope point
102	DRWYT	driveway top
103		driveway top
106		driveway top
107		driveway top
108		driveway top
109		driveway top
110	TIE	driveway top, slope tie case1
111	TIE	driveway top, slope tie case2
112	TIE	driveway top, slope tie case3
12		P2 projected on existing ground
120		secondary cut slope point
121	DRWYB, TSB	driveway bottom, bottom of TS
122	DRWYB	driveway bottom
123		driveway bottom
126		driveway bottom
127		driveway bottom
128		driveway bottom
129		driveway bottom
13		P3 projected on existing ground
130	BP,	driveway bottom, bottom of ditch
131	TSB	driveway bottom, bottom of TS
132		driveway bottom
180		
197	CURBT	test point for mountable curb (off set only), existing pavement bottom tie point
198	CURBT	test point for curb and gutter (off set only), existing pavement tie point
199	CURBT	test point for mountable curb - driveway (off set only)
2	CURBT	
20	BP	bench front top
200	BAS0	Under P5 - Bottom Pavement

<b>Point</b>	<b>Blue Top Phrase</b>	<b>Description</b>
201	BAS1	Under P5 - Base1
202	BAS2	Under P5 - Base2
203	BAS3	Under P5 - Base3
204	BAS4	Under P5 - Base4
205	BAS5	Under P5 - Base5
206		
207		
208		
21	BP	bench back bottom
210	BAS0	Under P5 - Bottom Pavement
211	BAS1	Under P2 - Base1
212	BAS2	Under P2 - Base2
213	BAS3	Under P2 - Base3
214	BAS4	Under P2 - Base4
215	BAS5	Under P2 - Base5
22		
220		topsoil tie point
222		topsoil tie point
23		
230	BAS0	Outside Edge - Bottom Pavement
231	BAS1	Outside Edge - Base1
232	BAS2	Outside Edge - Base2
233	BAS3	Outside Edge - Base3
234	BAS4	Outside Edge - Base4
235	BAS5	Outside Edge - Base5
24		
240		
241	BP	Top of TS on base1 slough
242		Top of TS on base2 slough
243		Top of TS on base3 slough
244		Top of TS on base4 slough
245		Top of TS on base5 slough
25		

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### **Criteria Point Descriptions - 2 of 5**

<b>Point</b>	<b>Blue Top Phrase</b>	<b>Description</b>
250	BAS0	Under P3 - Bottom Pavement
251	BAS1	Under P3 - Base1
252	BAS2	Under P3 - Base2
253	BAS3	Under P3 - Base3
254	BAS4	Under P3 - Base4
255	BAS5	Under P3 - Base5
26		
260	BAS0	Under P4 - Bottom Pavement
261	BAS1	Under P4 - Base1
262	BAS2	Under P4 - Base2
263	BAS3	Under P4 - Base3
264	BAS4	Under P4 - Base4
265	BAS5	Under P4 - Base5
27		
270	BAS0	Under P5 - Bottom Pavement
271	BAS1	Under P5 - Base1
272	BAS2	Under P5 - Base2
273	BAS3	Under P5 - Base3
274	BAS4	Under P5 - Base4
275	BAS5	Under P5 - Base5
280		Merged Base - Section 4
281		Merged Base - Section 4
282		Merged Base - Section 4
283		Merged Base - Section 4
284		Merged Base - Section 4
285		Merged Base - Section 4
286		Merged Base - Section 4
287		Merged Base - Section 4
291	BP	Top of TS on base slough
3	CURBB	Starting or Transition Point
30		bench front top
31	TIE, TSB	tie point 3 to 1 case7, bottom of TS
32		

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### Criteria Point Descriptions - 3 of 5

<b>Point</b>	<b>Blue Top Phrase</b>	<b>Description</b>
33		
34		
370		top of topsoil
371		top of topsoil
380	SWBB	sidewalk base bottom
381	SWBB	sidewalk base bottom
390	SWT	sidewalk top, horizontal and vertical alignment point
391	SWT	sidewalk top
392	SWB, SWBT	sidewalk bottom, base top
393	SWB, SWBT	sidewalk bottom, base top
4	CURBB	curb bottom
400		
401		
41	TIE	tie point 4 to 1 case6
50	TSB	topsoil bottom
51	TSB	topsoil bottom
52	TSB	topsoil bottom
53	TSB	topsoil bottom
55		ROW or Easement Point
61	BP	tie point
62	TIE	tie point
63	TIE	tie point
64		test point - fill distance
65		test point - cut distance
72	SWBB	Median Base
73	SWBB	Median Base
74	TSB	Bottom of Topsoil or Pavement
75	TSB, SWB	Bottom of Topsoil or Pavement
76	TSB, SWB	Bottom of Topsoil or Pavement
77	BP	crown of median
78		Median Top at Curb
79		Median Top at Curb
801		edge of shoulder

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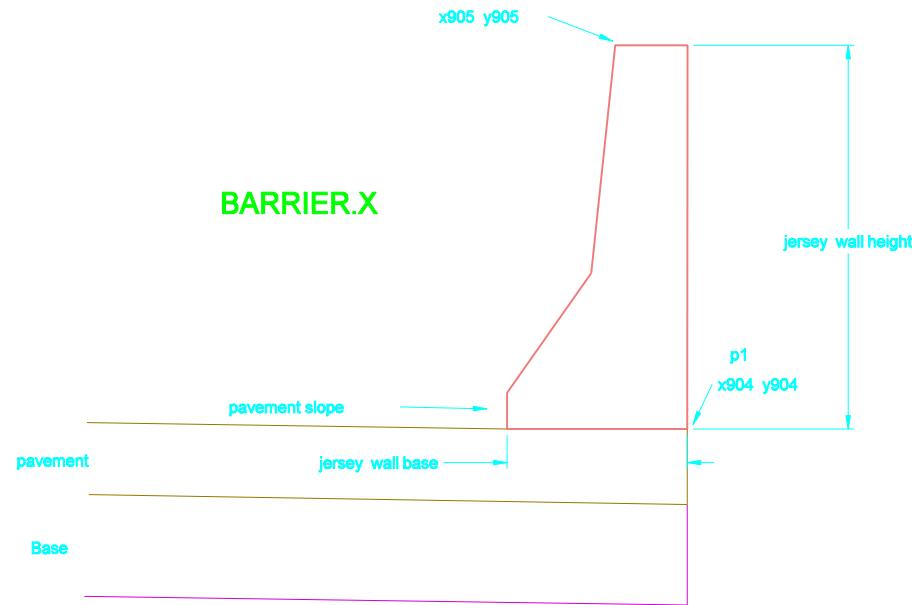
#### **Criteria Point Descriptions - 4 of 5**

<b>Point</b>	<b>Blue Top Phrase</b>	<b>Description</b>
802		clearzone
803		tie to existing ground
889		
899	TIE	tie
900		bottom of retaining wall
901		bottom of retaining wall
902		top of retaining wall
903		top of retaining wall
904		
905		
96		test point
97		test point
98		test or temporary point only
99	BP	test point
996		
997		test or temporary point only
998		test or temporary point only
999		test or temporary point only
p1	EOP	first shape point - edge of pavement
p2		second shape point
p3		third shape point
p4		fourth shape point
p5		fifth shape point

**Criteria Point Number Index****2/15/2006**

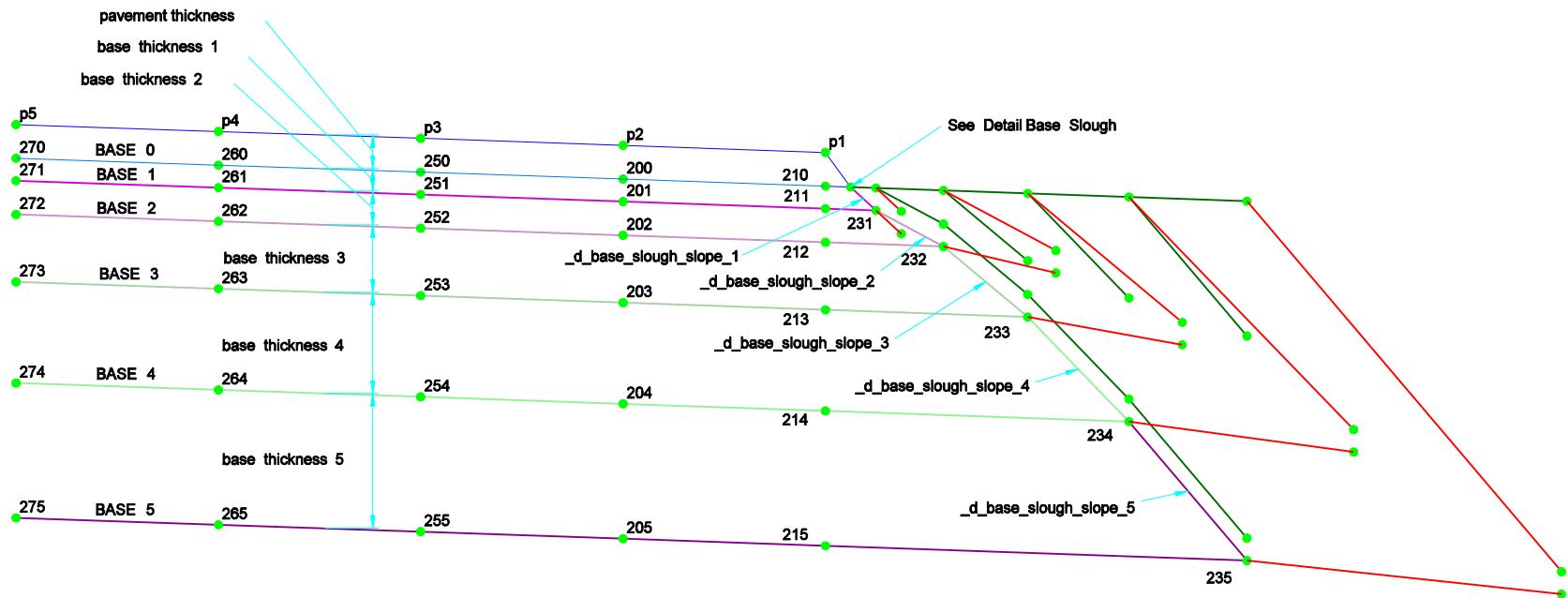
<b>10</b>	driveway	<b>20</b>	<b>232</b>	<b>272</b>
slope2	<b>126</b>	slope2	base	base
<b>100</b>	driveway	<b>200</b>	<b>233</b>	<b>273</b>
mditch1b	<b>127</b>	base	base	base
slope2	driveway	widening	<b>234</b>	<b>274</b>
<b>101</b>	<b>128</b>	<b>201</b>	base	base
driveway	driveway	base	<b>235</b>	<b>275</b>
slope2	<b>129</b>	widening	base	base
<b>102</b>	driveway	<b>202</b>	<b>241</b>	<b>280</b>
driveway	<b>13</b>	base	base	base
<b>103</b>	widening	<b>203</b>	widening	<b>281</b>
driveway	<b>130</b>	base	<b>250</b>	base
<b>106</b>	driveway	<b>204</b>	base	<b>282</b>
driveway	slope2	base	widening	base
<b>107</b>	slope4	<b>205</b>	<b>251</b>	<b>283</b>
driveway	<b>131</b>	base	base	base
<b>108</b>	driveway	<b>21</b>	<b>252</b>	<b>284</b>
driveway	slope4	slope2	base	base
<b>109</b>	<b>132</b>	<b>210</b>	<b>253</b>	<b>285</b>
driveway	driveway	base	base	base
<b>110</b>	<b>180</b>	widening	<b>254</b>	<b>286</b>
driveway	slope2	<b>211</b>	base	base
slope2	<b>197</b>	base	<b>255</b>	<b>287</b>
<b>111</b>	curb	widening	base	base
driveway	<b>198</b>	<b>212</b>	<b>260</b>	<b>291</b>
slope2	curb	base	base	base
<b>112</b>	<b>199</b>	<b>213</b>	<b>261</b>	<b>3</b>
driveway	curb	base	base	base
slope2	<b>2</b>	<b>214</b>	<b>262</b>	curb
<b>12</b>	barrier	base	base	driveway
widening	curb	<b>215</b>	<b>263</b>	endpvmt
<b>120</b>	driveway	base	base	widening
slope2	endpvmt	<b>220</b>	<b>264</b>	<b>30</b>
slope4	mditch1a	widening	base	slope2
<b>121</b>	retwall	<b>222</b>	<b>265</b>	<b>31</b>
driveway	sidewalk	widening	base	slope2
slope4	sidewlk2	<b>230</b>	<b>270</b>	widening
<b>122</b>	slope1	base	base	<b>370</b>
driveway	slope3	<b>231</b>	<b>271</b>	sidewalk
<b>123</b>	slope4	base	base	<b>371</b>

	sidewalk	slope1	<b>903</b>	base
<b>380</b>		<b>62</b>		retwall
	sidewalk	mditch1b	<b>904</b>	
	sidewlk2	slope1		barrier
<b>381</b>		<b>63</b>		<b>905</b>
	sidewalk	slope1		barrier
	sidewlk2	<b>64</b>		<b>98</b>
<b>390</b>		slope1		mditch1a
	sidewalk	<b>65</b>		median
	sidewlk2	slope1	<b>99</b>	
<b>391</b>		<b>72</b>		slope1
	sidewalk	median		slope2
	sidewlk2	<b>73</b>		<b>997</b>
<b>392</b>		median		bpoint
	sidewalk	<b>74</b>		endpvmt
	sidewlk2	median	<b>998</b>	
<b>393</b>		<b>75</b>		base
	sidewalk	median		bpoint
	sidewlk2	<b>76</b>		curb
<b>4</b>		median		endpvmt
	curb	<b>77</b>		widening
	driveway	median	<b>999</b>	
	endpvmt	<b>78</b>		base
	widening	curb		bpoint
<b>41</b>		median		curb
	slope2	<b>79</b>		endpvmt
<b>50</b>		curb		slope1
	sidewalk	median		slope3
	slope1	<b>801</b>		widening
	slope4	safetyslope	<b>p1</b>	
<b>51</b>		<b>802</b>		barrier
	sidewalk	safetyslope		base
	slope1	<b>803</b>		curb
<b>52</b>		safetyslope		driveway
	slope1	<b>899</b>		endpvmt
<b>53</b>		slope2	<b>p2</b>	
	slope1	<b>900</b>		base
<b>55</b>		retwall	<b>p3</b>	
	boundary	<b>901</b>		base
	slope3	retwall	<b>p4</b>	
<b>61</b>		<b>902</b>		base
	mditch1b	retwall	<b>p5</b>	

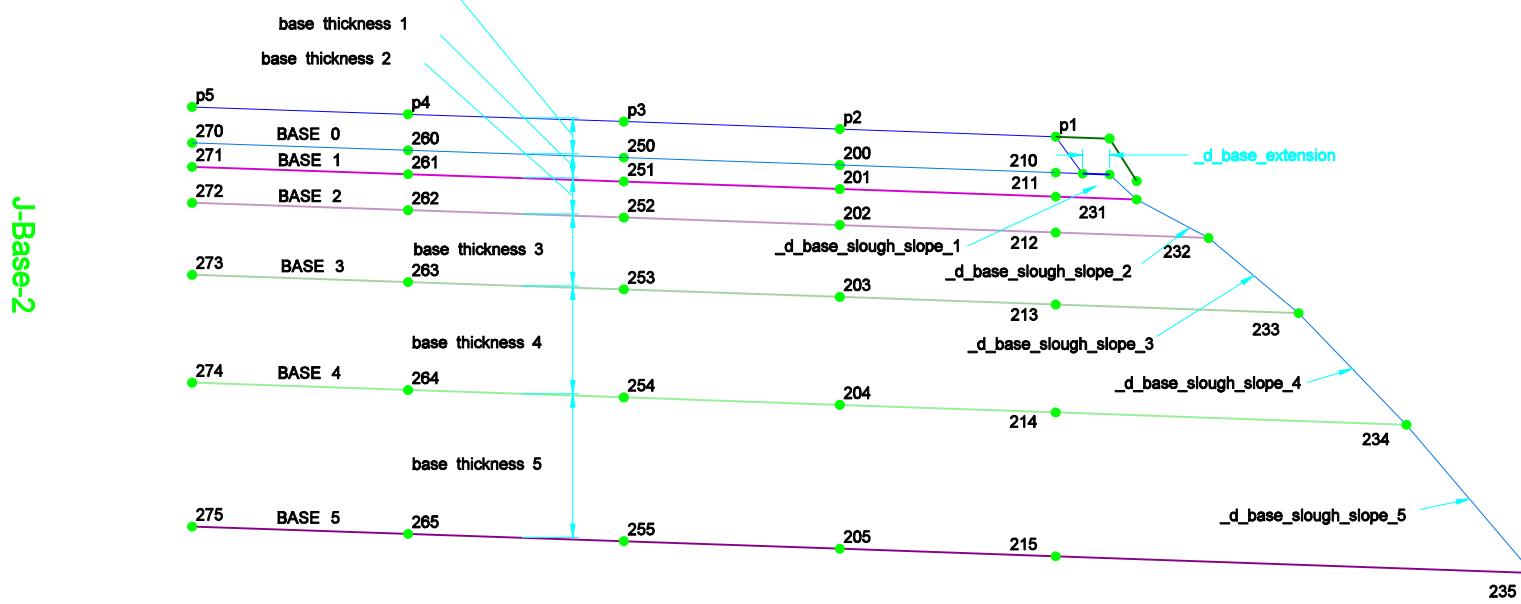


**BASE.RX**  
**Slough Section (\_d\_sec=1)**  
**Topsoil Parallel to Base (\_d\_draw\_ts\_with\_base<>0)**

J-Base-1



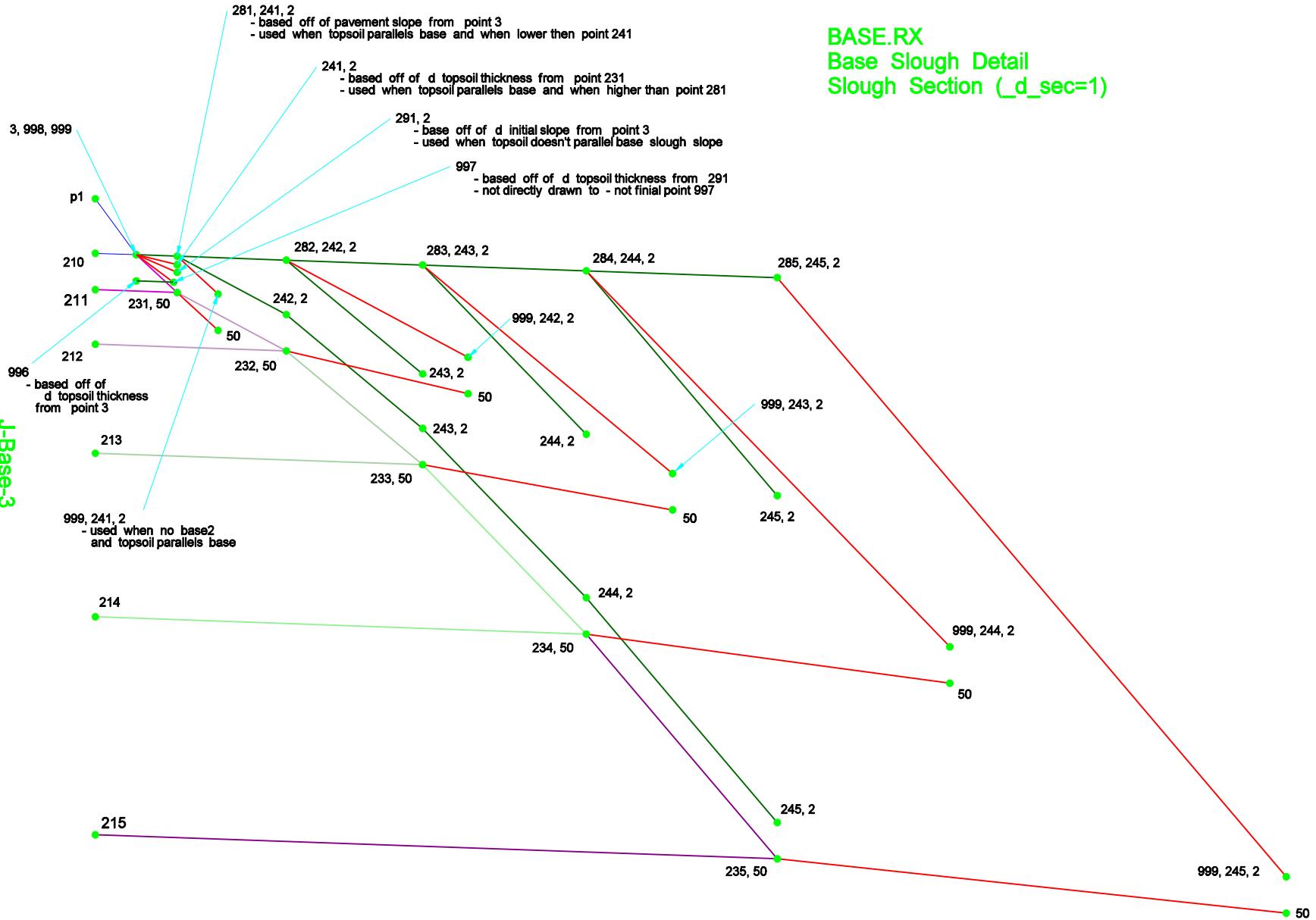
**BASE.RX**  
**Slough Section (\_d\_sec= 1 )**  
**Topsoil Not Parallel to Base (\_d\_draw\_ts\_with\_base = 0)**  
**Base Extension (\_d\_base\_extension > 0)**



## BASE.RX

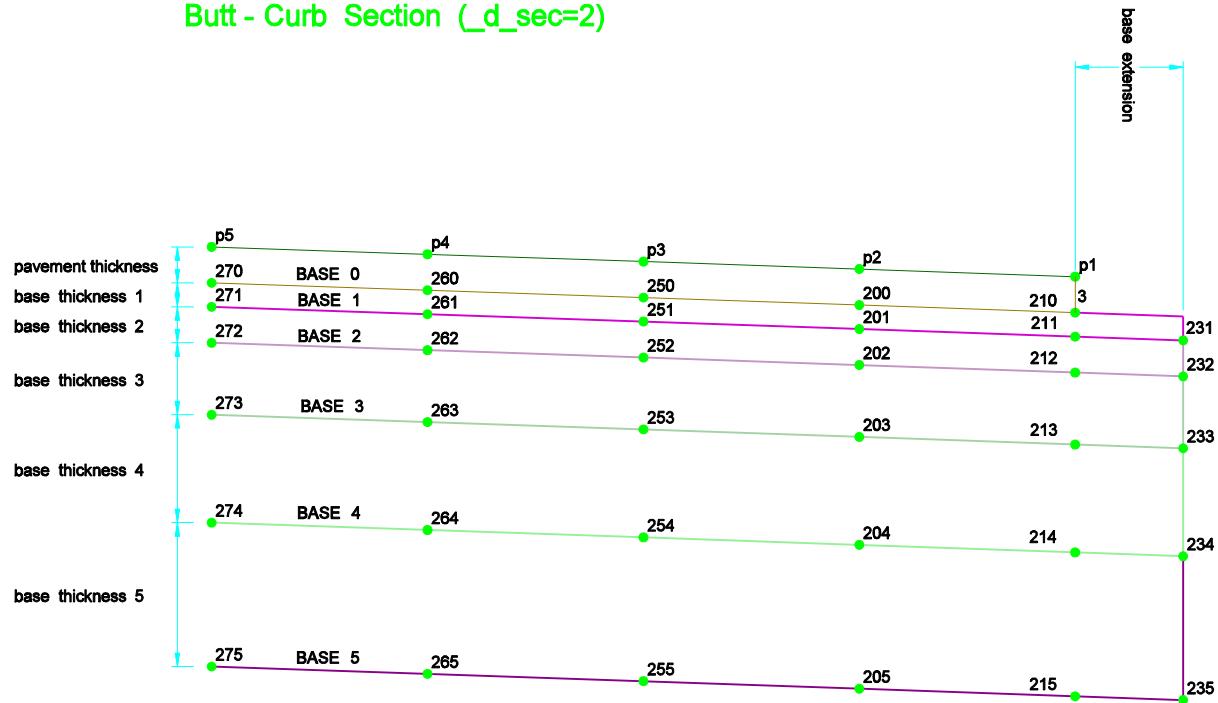
### Base Slough Detail

#### Slough Section (\_d\_sec=1)



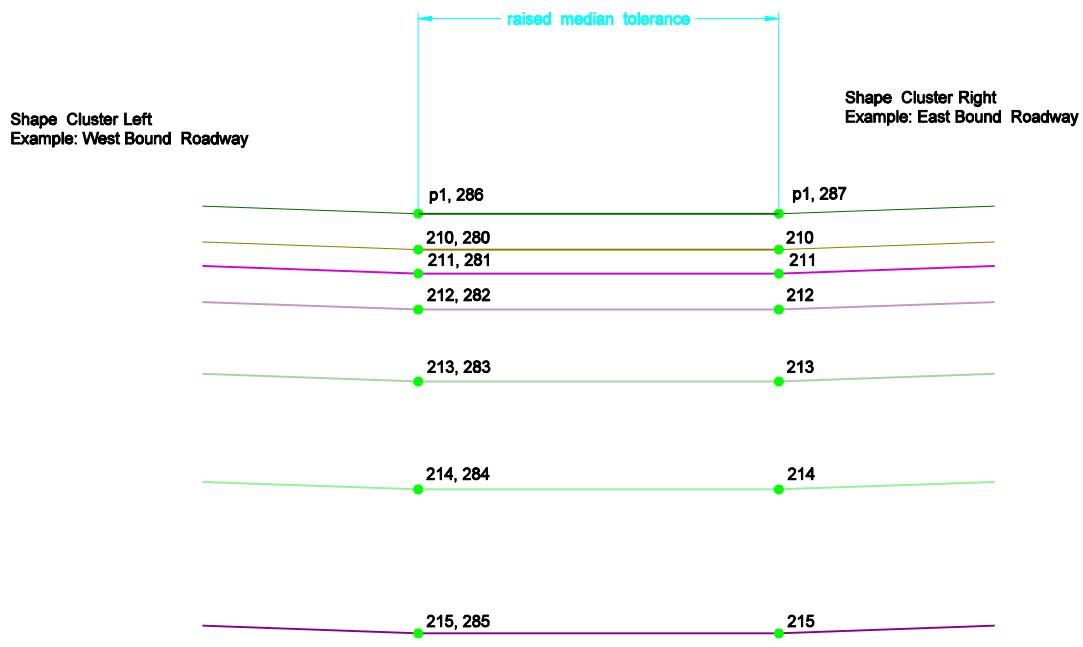
J-Base-4

BASE.RX  
Butt - Curb Section (\_d\_sec=2)



J-Base-5

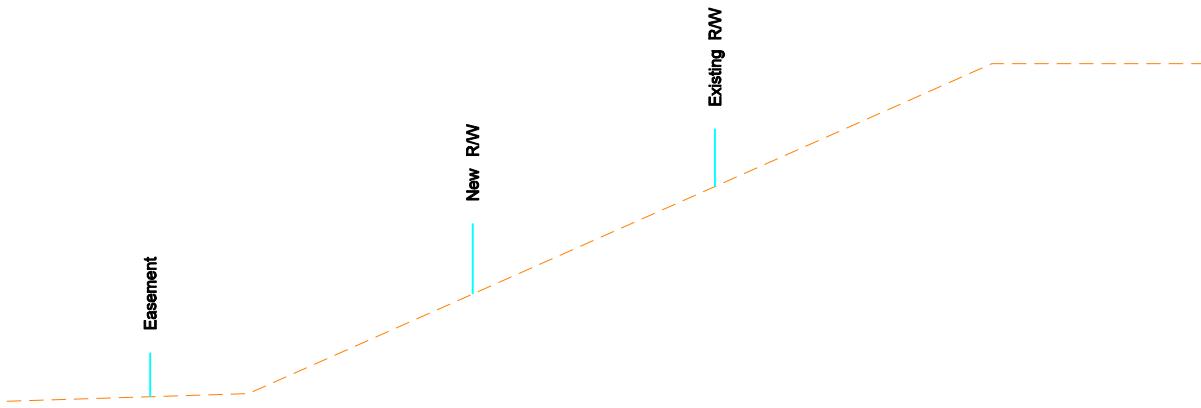
**BASE.RX**  
Merged Butt - Curb Section (\_d\_sec=4)



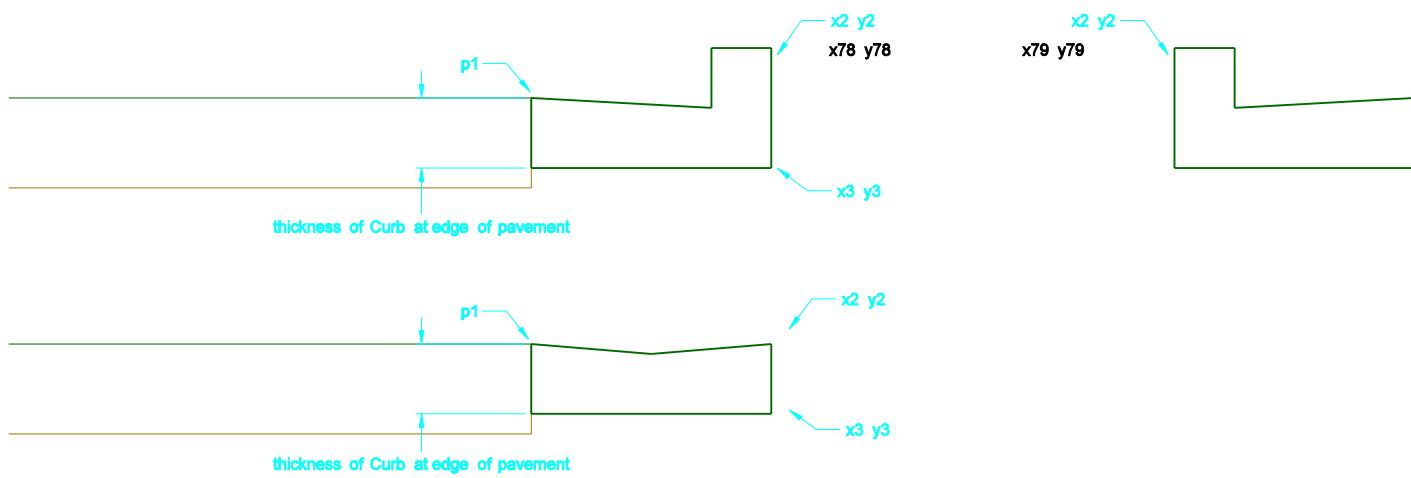
J-Boundary

## BOUNDARY.X

This criteria labels the easement and right of way lines



### J-Curb



If pavement thickness is greater than thickness of curb,  
use `endpvmt.x` before `curb.x`  
This criteria will not draw any curb at driveway locations.

**ENDPVMT.X**

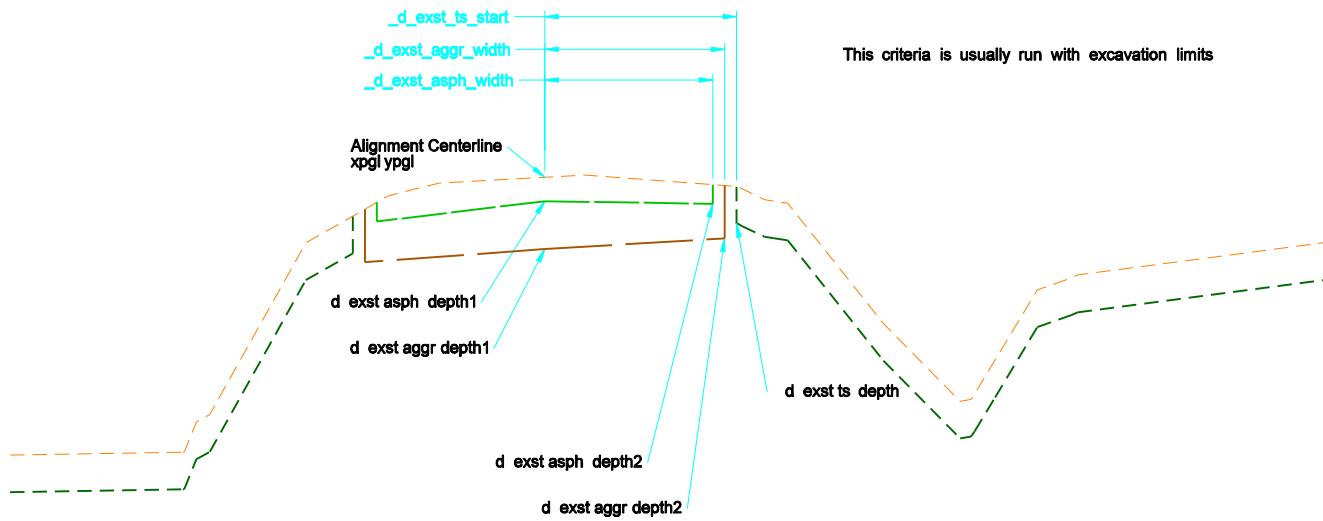
J-EndPvmt



If this criteria finds curb and gutter, mountable curb  
or a driveway the slough will automatically switch to vertical (0)

## J-Exst\_Material

## Exst\_Material.x

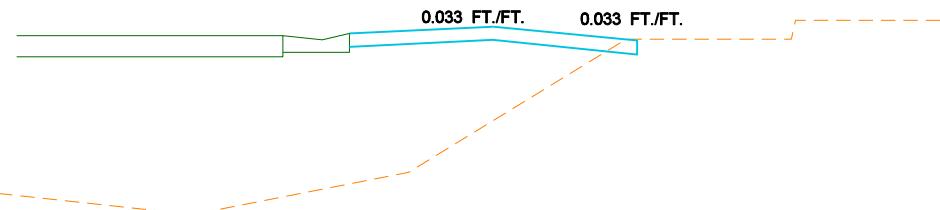


## DRIVEWAY.X

Case 1 - Draws curb for driveway and gives warning  
 Elevation for road is too high to tie with given distances



Case 2 - Draws driveways with minimum first grade slopes of 0.033 ft./ft.



J-Driveway-1

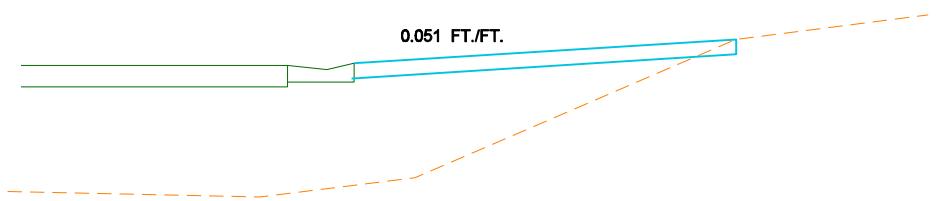
"di2" is a variable used to draw a driveway who's grade changes.  
 This variable is needed in case 2 for drainage reasons and may also be  
 needed in cases 4 through 10 in order to tie steep slopes to existing ground

Note the text labeling driveway slope may have to be moved for legibility

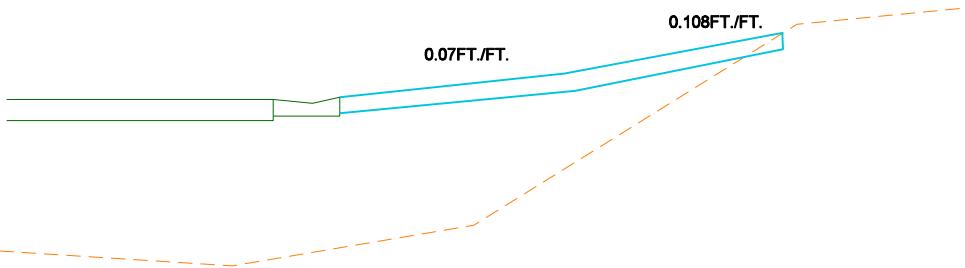
**DRIVEWAY.X**

J-Driveway-2

Case 3 - Draws driveways with slopes between 0.033 and 0.06 ft./ft.

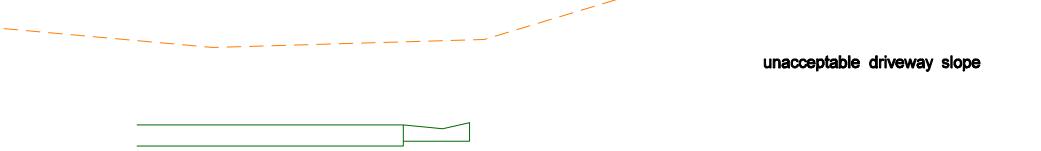


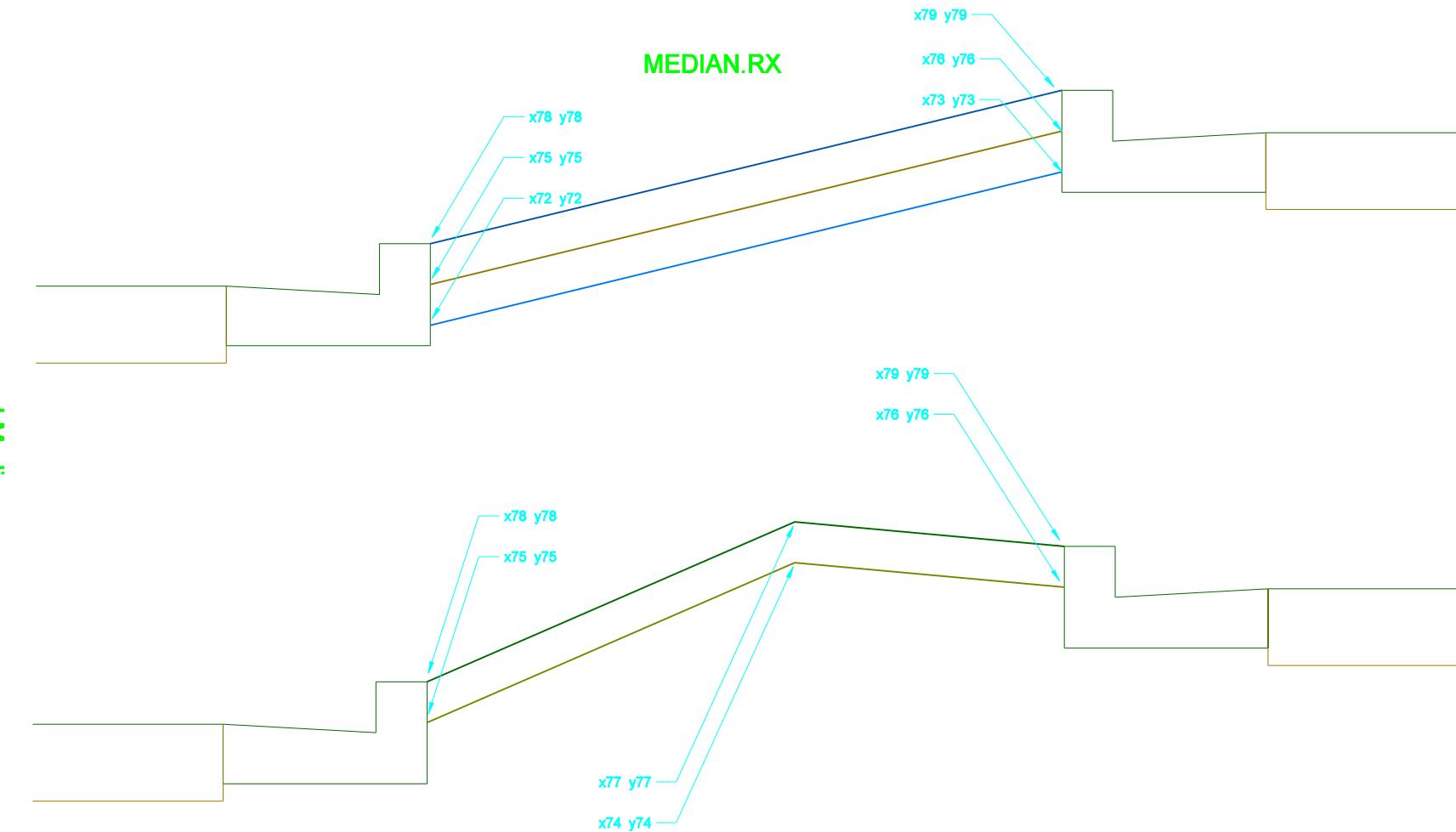
Case 4 through 10 - Draws driveways with slopes between 0.06 and 0.15 ft./ft.



Case 11 - Draws curb for driveway and gives warning  
Elevation of road is to low to tie with given distances

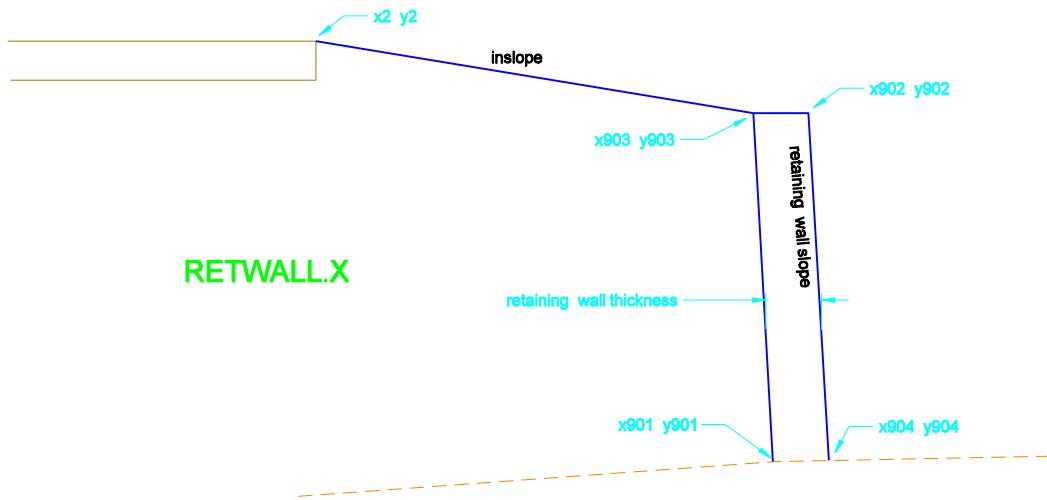
unacceptable driveway slope





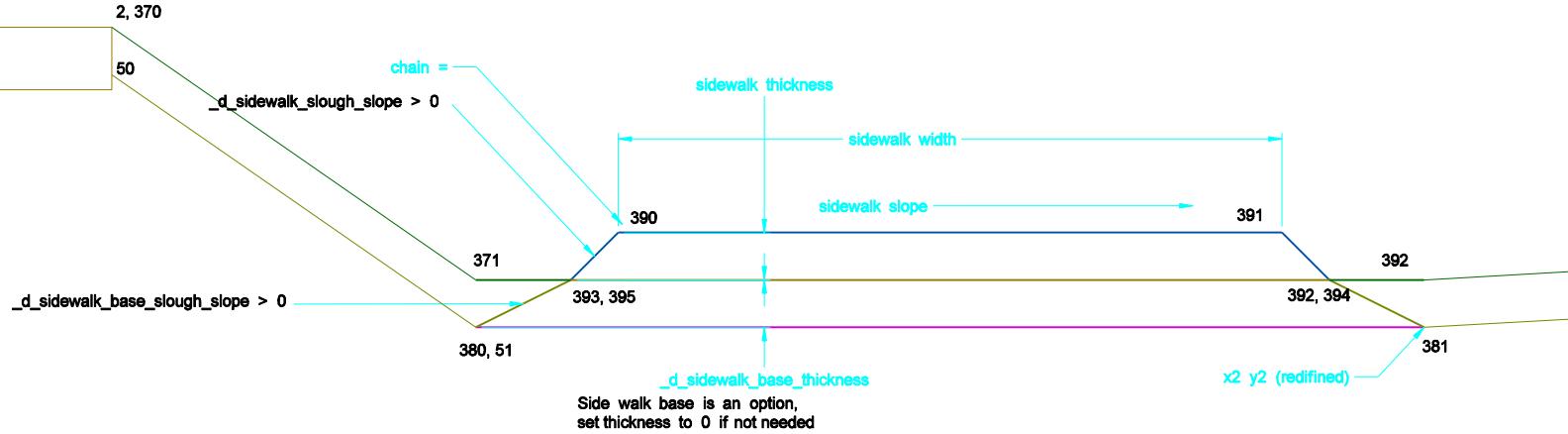
J-Retwall

RETWALL.X

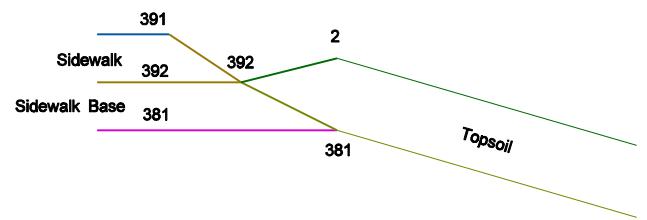
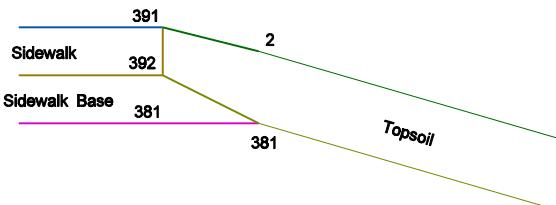
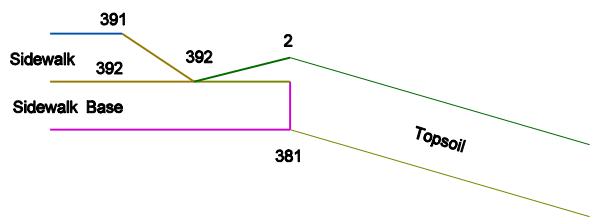
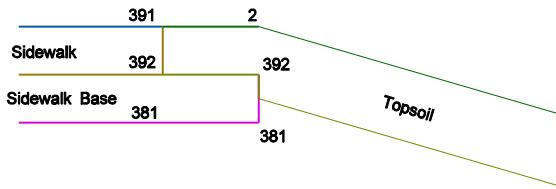
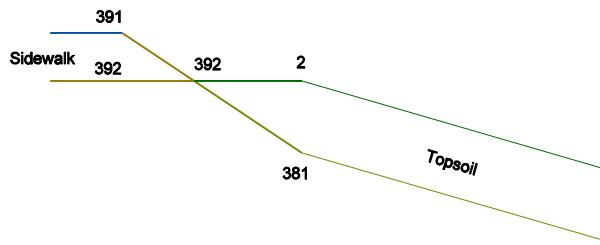
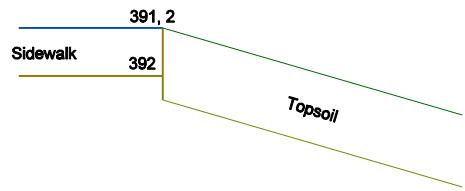


## SIDEWALK.X

J-Sidewalk-1

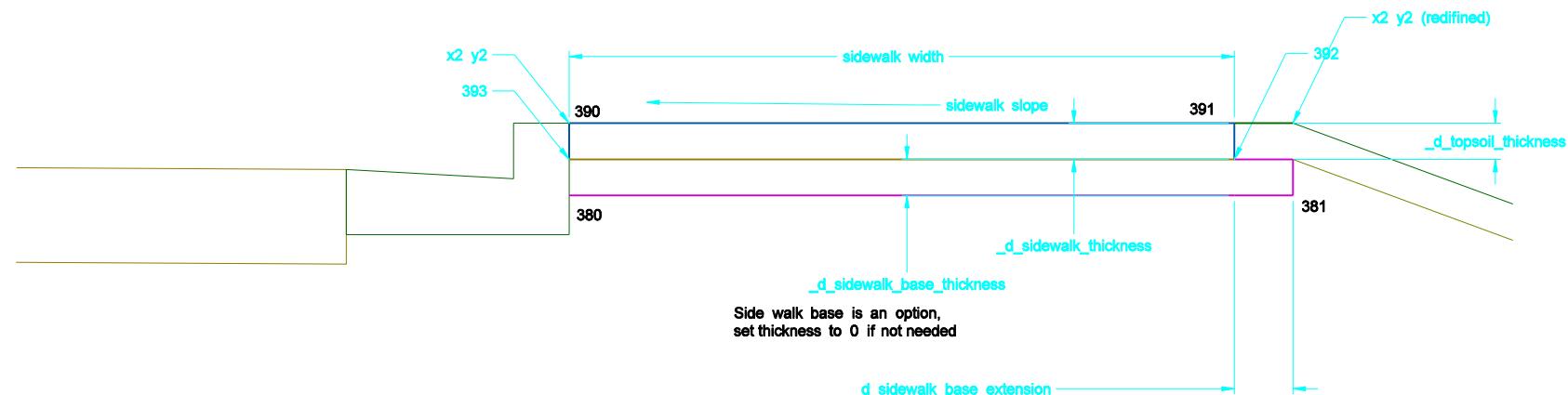


SIDEWALK.X  
Topsoil Transitions

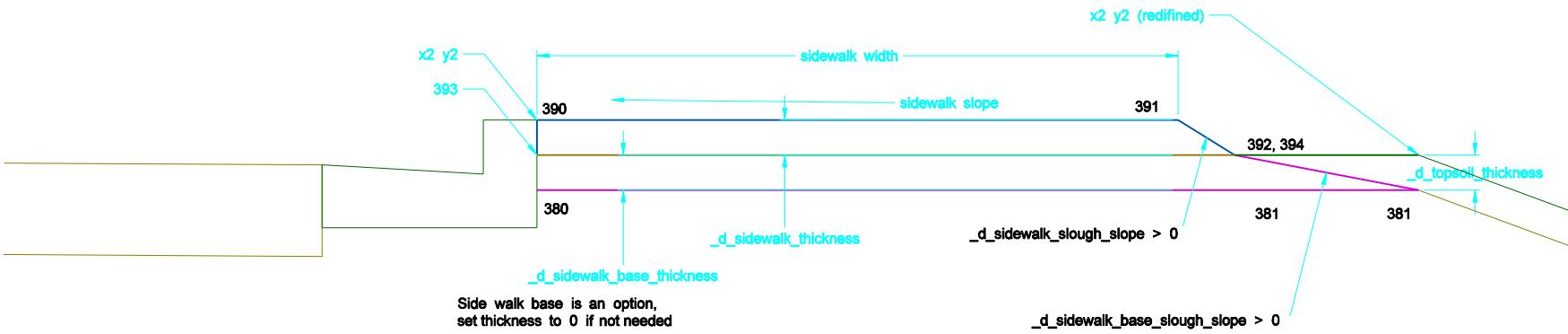


## SIDEWLK2.X

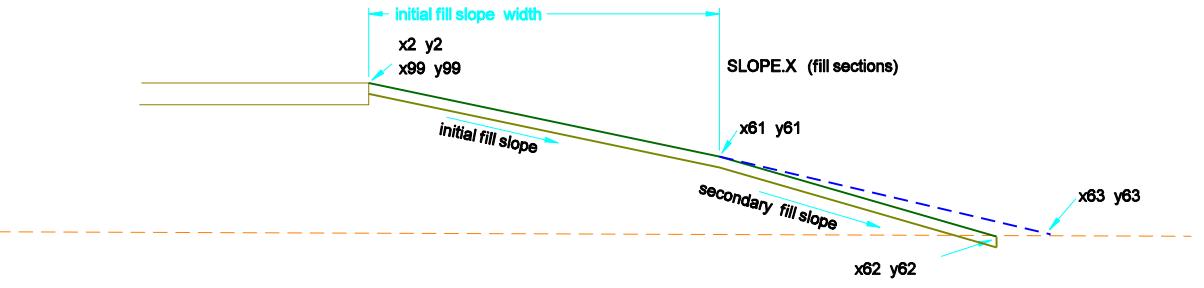
Sidewalk is places at x2 y2 defined from previous criteria



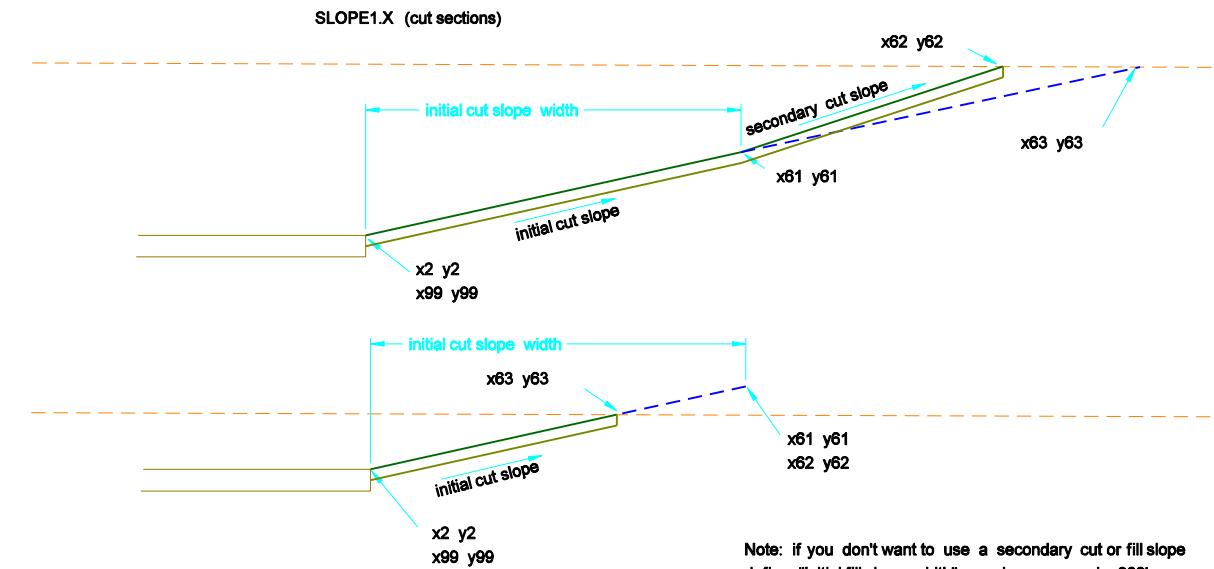
J-Sidewlk2



## SLOPE1.X

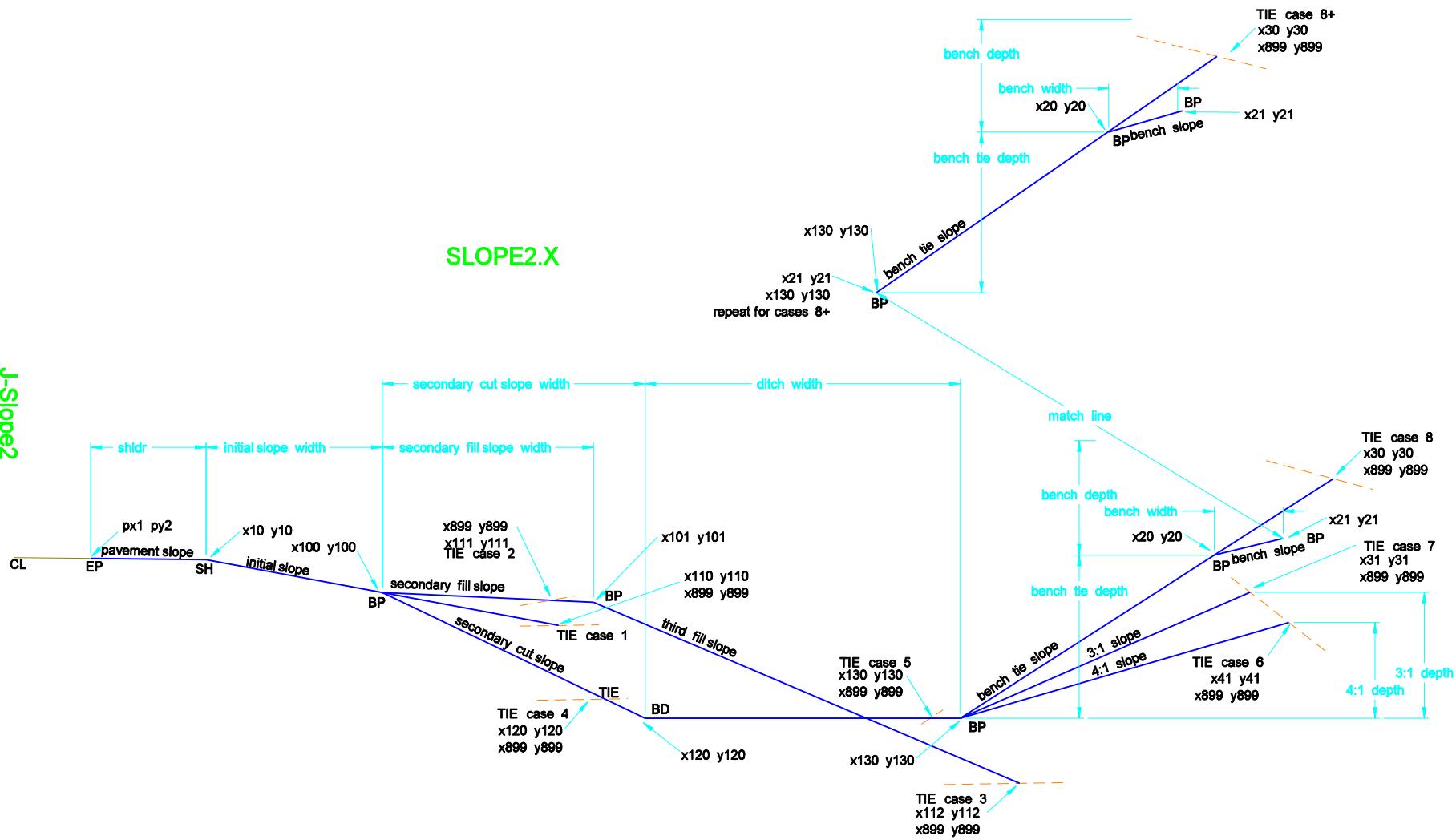


## J-Slope1



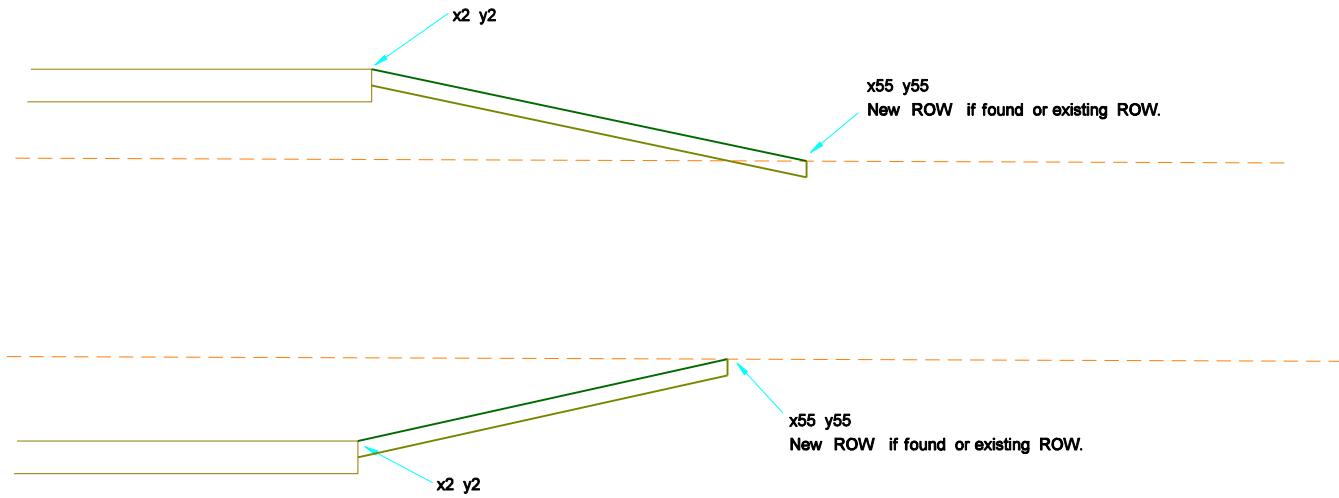
Note: if you don't want to use a secondary cut or fill slope define "initial fill slope width" very large example 999'

### J-Slope2



## J-Slope3

## SLOPE3.X (cut and fill sections)



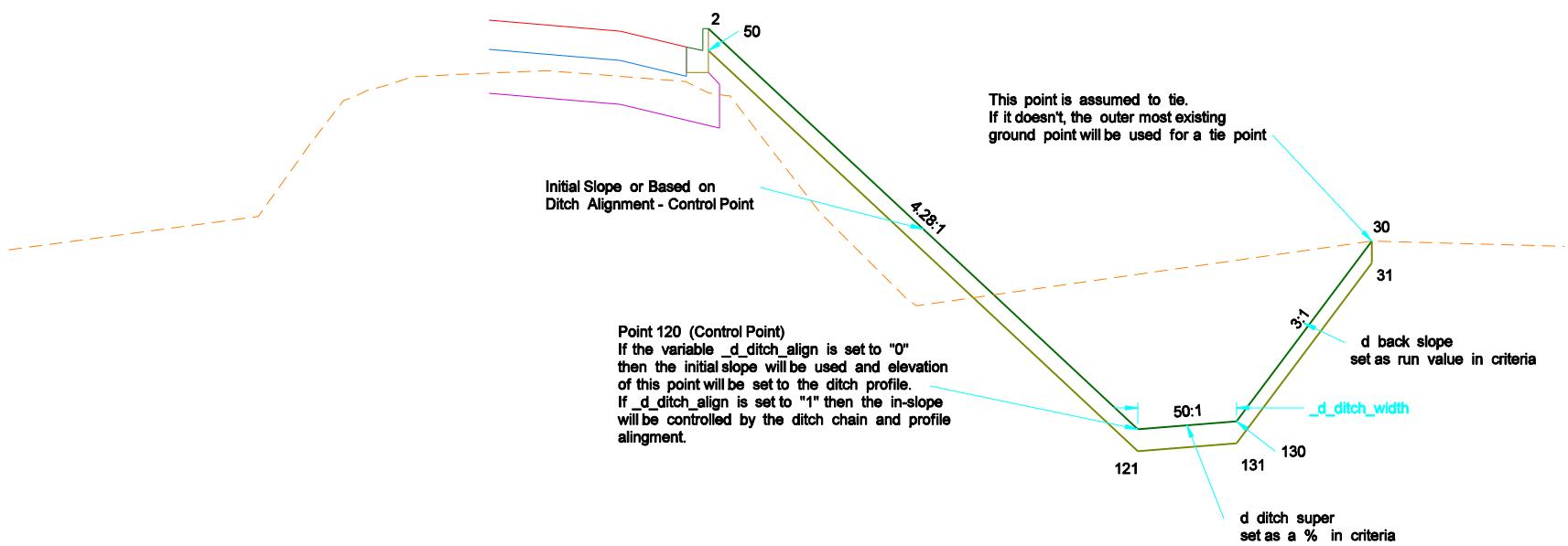
A slope is drawn from  $x2\ y2$  to where the existing ground and the ROW intersect.

New ROW governs over existing ROW.

If criteria finds a driveway no slope will be drawn.

**SLOPE4.X (Slope to Ditch)**  
This criteria requires an Ditch alignment

J-Slope4



## J-Widening

### Widening.x

This criteria is used with one shape cluster with 4 total shapes

Widening Asphalt and base are drawn with this criteria. Side slope as shown are drawn with a Slope\*.x

This criteria indirectly uses the pavement shapes.  
Actual profile is set by existing ground.  
Presently the super between P2 and P3 is not used.  
Only the widths are used for P2 to P3 shapes.  
Supers between P1 and P2 are used.

